

## CLAIMS

1. A solid medium containing a cellulose gel as a medium-solidifying component.
2. A solid medium according to claim 1, where the crystallization degree of the cellulose gel is 5 to 70 %.
3. A solid medium according to claim 1 or 2, where the molecular weight of the cellulose used is 10,000 to 2,000,000.
4. A solid medium according to any one of claims 1 to 3, where the cellulose gel is a porous cellulose gel structure with a cellulose backbone and at a cellulose concentration of 0.01 % or more.
5. A solid medium according to any one of claims 1 to 4, where the cellulose gel is a porous gel-like structure at a porosity of 50 % or more.
6. A solid medium according to any one of claims 1 to 5, where the cellulose gel is a gel-like material obtained by heating and dissolving cellulose in an aqueous thiocyanate salt solution and subsequently cooling and solidifying the

resulting solution.

7. A method for producing a solid cellulose gel medium, including dissolving or swelling cellulose dispersed in a solvent by mechanical mixing and/or heating, subsequently solidifying the resulting cellulose by cooling and/or solvent removal and permeating nutrient components into the cellulose.

8. A method for producing a solid cellulose gel medium according to claim 7, including dissolving cellulose dispersed in a solvent by heating, subsequently solidifying the resulting solution by cooling to remove the solvent component, and permeating nutrient components into the resulting cellulose.

9. A method for producing a solid cellulose gel medium according to claim 7 or 8, where the solvent is an aqueous solution of an alkali metal salt or alkali earth meal salt of thiocyanic acid.

10. A method for producing a solid cellulose gel medium according to any one of claims 7 through 9, where the solvent is an aqueous solution of calcium thiocyanate.

11. A method for producing a solid cellulose gel medium according to any one of claims 7 through 10, where the solvent is an aqueous saturated solution of calcium thiocyanate and the heating temperature is 70 to 200 °C.

12. A method for culturing a microorganism or a cell, including culturing a microorganism or a cell on the surface of a solid medium using a cellulose gel as a medium-solidifying component.

13. A method for culturing a microorganism according to claim 12, where the microorganism to be cultured on the solid medium using the cellulose gel is a microorganism in extreme environment.